

GenCore version 5.1.3
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OM protein - nucleic search, using frame_plus_p2n model

Run on: January 16, 2003, 16:55:57 : Search time 1232.6 Seconds
(without alignments)
330.553 Million cell updates/sec

Title: US-09-856-070-17

Perfect score: 69

Sequence: 1 EREKEQMMREKEEL 14

Scoring table:

BLSUM62
Xgapop 10.0 , Xgapov+ 0.5
Ygapop 10.0 , Ygapext 0.5
Egapop 6.0 , Egapext 7.0
Delop 6.0 , Delext 7.0

Searched: 2054640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 4109280

Minimum DB seq length: 0

Maximum hit seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODEL=frame_plus_p2n_model -DB=xfp
-Q=/usr2/1/USP/seqs/US09-856-070-17/seqs/seqs.fasta_1.1552
-DB=GenEmbl -UTMI=lastap -SUFFIX=ipe -MINMATCH=0.1 -LOOPEL=0 -LOOPEXT=0
-UNITS=bits -START=1 -END=1 -MATRIX=blsum62 -TPANS=tum340.cdi -LIST=45
-DOCALIGN=200 -THR_SCORE=601 -THR_MAX=100 -THR_MIN=0 -ALIGN=15 -M-40E=LOCAL
-OUTFMT=ptc -NOMMEXT -HAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09856070.eccn_1_1552 -PRUNAT=14012003_155834_1521 -NCPU=6 -ICPU=4
-NO_XIPY -NO_MMAPP -APGQUERY -NEG_SCORES=0 -WALL -JONGING -DEV_TIMESTAMP=120
-WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -PGAPOP=6 -PGAPEXT 7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

- 1: gb_ba.*
- 2: gb_bt.*
- 3: gb_in.*
- 4: gb_ma.*
- 5: gb_ma.*
- 6: gb_pat.*
- 7: gb_ph.*
- 8: gb_pl.*
- 9: gb_pr.*
- 10: gb_ro.*
- 11: gb_sts.*
- 12: gb_sy.*
- 13: gb_un.*
- 14: gb_vl.*
- 15: em_ba.*
- 16: em_fun.*
- 17: em_hum.*
- 18: em_in.*
- 19: em_mu.*
- 20: em_mu.*
- 21: em_or.*
- 22: em_ov.*
- 23: em_pat.*
- 24: em_ph.*
- 25: em_pl.*
- 26: em_ro.*
- 27: em_sts.*
- 28: em_un.*

- 29: em_vi.*
- 30: em_hlg_hum.*
- 31: em_hlg_inv.*
- 32: em_hlg_other.*
- 33: em_hlg_mus.*
- 34: em_hlg_pin.*
- 35: em_hlg_rtd.*
- 36: em_hlg_mum.*
- 37: em_hlg_vrt.*
- 38: em_sy.*
- 39: em_hlg_hum.*
- 40: em_hlg_mus.*
- 41: em_hlg_other.*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	69	100.0	460	9	AF160059 Homo sapi
2	69	100.0	471	9	AF188896 Homo sapi
3	69	100.0	475	9	AF188897 Homo sapi
4	69	100.0	478	9	AF189213 Homo sapi
5	69	100.0	489	9	AF187552 Homo sapi
6	69	100.0	514	4	PCV17F1HA
7	69	100.0	530	9	BDMVIL2
8	69	100.0	504	6	AX411074
9	69	100.0	504	4	HSEZPIN
10	69	100.0	504	6	AX440476
11	69	100.0	507	9	USM802525
12	69	100.0	517	9	BC013903
13	69	100.0	517	9	AL589931
14	69	100.0	517	9	AL589931
15	69	100.0	517	9	AF450258
16	69	100.0	517	9	AB019790
17	69	100.0	517	9	AB019790
18	69	100.0	517	9	AB019790
19	69	100.0	517	9	AB019790
20	69	100.0	517	9	AB019790
21	69	100.0	517	9	AB019790
22	69	100.0	517	9	AB019790
23	69	100.0	517	9	AB019790
24	69	100.0	517	9	AB019790
25	69	100.0	517	9	AB019790
26	69	100.0	517	9	AB019790
27	69	100.0	517	9	AB019790
28	69	100.0	517	9	AB019790
29	69	100.0	517	9	AB019790
30	69	100.0	517	9	AB019790
31	69	100.0	517	9	AB019790
32	69	100.0	517	9	AB019790
33	69	100.0	517	9	AB019790
34	69	100.0	517	9	AB019790
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43	69	100.0	517	9	AB019790
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ALIGNMENTS

RESULT 1

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AF190059
LOCUS       AF190059               460 bp    mRNA    linear    PRI 14-OCT-1999
DEFINITION Homo sapiens cytoovillin 2 (VIL2) mRNA, partial cds.
ACCESSION  AF190059
VERSION    AF190059.1  GI:6063150
KEYWORDS   Homo sapiens.
SOURCE     Homo sapiens.
ORGANISM   Homo sapiens.
            Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
REFERENCE  1 (bases 1 to 460)
AUTHORS   Chen, Z.C., Fadiel, A. and Nattolini, F.
JOURNAL   Mutation of cytoovillin gene in glioblastoma
TITLE     Unpublished
REFERENCE  2 (bases 1 to 460)
AUTHORS   Chen, Z.C., Fadiel, A. and Nattolini, F.
JOURNAL   Direct Submission
TITLE     Submitted (24-SEP-1999) on GSN, Yale University, 333 Cedar Street,
JOURNAL   New Haven, CT 06520, USA
FEATURES   location/Qualifiers
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            /gene="VIL2"
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            /c2..460
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            /protein_id="AAF03158.1"
            /db_xref="GI:6063151"
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BASE COUNT  149 a   89 c   128 g   92 t   2 others
ORIGIN
Alignment Scores:
Pred. No.:      0.000759      Length:      460
Score:          69.00         Matches:     14
Percent Similarity: 100.00%   Conservative: 3
Best Local Similarity: 100.00% Mismatches:    0
Query Match:     100.00%     Indels:       0
DB:              9           Gaps:        0

US-09-856-070-17 (1-14) x AF190059 (1-460)

Qy 1 GluArgGluIysGluGlnMetMetArgGluIysGluGln 14
|||||
Db 402 GAGACAGAGAAAGAGCATATCATGCGGAGCAAGAGCATG 443
|||||

RESULT 2
LOCUS       AF188896               471 bp    mRNA    linear    PRI 14-OCT-1999
DEFINITION Homo sapiens brain ezrin mRNA, partial cds.
ACCESSION  AF188896
VERSION    AF188896.1  GI:6063142
KEYWORDS   Homo sapiens.
SOURCE     Homo sapiens.
ORGANISM   Homo sapiens.
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
REFERENCE  1 (bases 1 to 471)
AUTHORS   Chen, Z.C., Fadiel, A. and Nattolini, F.
JOURNAL   Mutation of ezrin gene in cancer
TITLE     Unpublished
REFERENCE  2 (bases 1 to 471)
AUTHORS   Chen, Z.C., Fadiel, A. and Nattolini, F.
JOURNAL   Direct Submission
TITLE     Submitted (24-SEP-1999) on GSN, Yale University, 333 Cedar Street,
JOURNAL   New Haven, CT 06520, USA
FEATURES   location/Qualifiers
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            /product="ezrin"
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            /db_xref="GI:6063145"
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Direct Submission
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            /db_xref="GI:6063143"
            /translation="WSEIRNISPDKKFKVIKIDKKAPDFVYVAPGLPINKRPIGLGMNHELYMPKRPD
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BASE COUNT  157 a   90 c   132 g   92 t
ORIGIN
Alignment Scores:
Pred. No.:      0.000778      Length:      471
Score:          69.00         Matches:     14
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00% Mismatches:    0
Query Match:     100.00%     Indels:       0
DB:              9           Gaps:        0

US-09-856-070-17 (1-14) x AF188896 (1-471)

Qy 1 GluArgGluIysGluGlnMetMetArgGluIysGluGln 14
|||||
Db 414 GAGACAGAGAAAGAGCATATCATGCGGAGCAAGAGCATG 455
|||||

RESULT 3
LOCUS       AF188897               475 bp    mRNA    linear    PRI 19-OCT-1999
DEFINITION Homo sapiens ovary ezrin mRNA, partial cds.
ACCESSION  AF188897
VERSION    AF188897.1  GI:6063144
KEYWORDS   Homo sapiens.
SOURCE     Homo sapiens.
ORGANISM   Homo sapiens.
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
REFERENCE  1 (bases 1 to 475)
AUTHORS   Chen, Z.C., Fadiel, A. and Nattolini, F.
JOURNAL   Ezrin gene mutation in ovarian cancer
TITLE     Unpublished
REFERENCE  2 (bases 1 to 475)
AUTHORS   Chen, Z.C., Fadiel, A. and Nattolini, F.
JOURNAL   Direct Submission
TITLE     Submitted (22-SEP-1999) on GSN, Yale University, 333 Cedar Street,
JOURNAL   New Haven, CT 06511, USA
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            /c1..475
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            /db_xref="GI:6063145"
            /translation="WSEIRNISPDKKFKVIKIDKKAPDFVYVAPGLPINKRPIGLGMNHELYMPKRPDTEV
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GVIAIGINIEKMDLIPKIGFWSIIRNISPDKKPVYKPIDKKAPDFVYAPRLRI
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KKRQWRRKRELLMLKQVYFKIKAKELISQIQRAIKLIEERKACAEAGLEAD
KLAALAKFEI PPAAADQIKSQELATFLAFYAKTALI EAPPPKFNVEEWALPAP
EAQDLAKTIEELILVMTAPPPVYVYVIVIESPODECTELSAELSSGAILDPRN
EKKRTIEAKNEKRVQMLTILISELSQAEDENKPTINDITINENMPQSPQDKYKTLPIQI
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BASE COUNT 644 a 658 c 738 g 474 t
ORIGIN

Alignment Scores:
Pred. No.: 0.00431 Length: 2514
Score: 69.00 Matches: 14
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
Gaps: 0
DB: 4

US-09-856-070-17 (1-14) x H0VZEPHINA (1-2514)

QY 1 GluArqGluLysGluGlnMetArqGluLysGluGluLeu 14
DB 1151 GAGCGCAAAAAGCATGATGCTGTAAGAGAGAGAGCTG 1192
RESULT 7
LOCUS HUMV112
DEFINITION Human cytoovillin 2 (VIL2) mRNA, complete cds.
ACCESSION J05021
VERSION J05021.1 GI:340216
KEYWORDS cytoovillin; cytoovillin 2; microvillar protein.
SOURCE Human placenta, cDNA to mRNA.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
Turunen,O., Wingqvist,R., Pakkanen,R., Grzeschik,K.H., Wahlstrom,T.
and Vaheri,A.
TITLE Cytoovillin, a microvillar Mr 75,000 protein, cDNA sequence,
prokaryotic expression, and chromosomal localization
JOURNAL J. Biol. Chem. 264 (28), 16727-16732 (1989)
MEDLINE 89480299
DOI 2674140
COMMENT Draft entry and computer readable sequence for [1] kindly submitted
by O.Turunen, 31-AUG-1989.
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/db_xref="GB:600120.480"
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CDS

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1

